

# Abstracts

## Analysis of multi-layer integrated inductors with wave concept iterative procedure (WCIP)

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*S. Akatimagool, D. Bajon and H. Baudrand. "Analysis of multi-layer integrated inductors with wave concept iterative procedure (WCIP)." 2001 MTT-S International Microwave Symposium Digest 01.3 (2001 Vol. III [MWSYM]): 1941-1944 vol.3.*

In this paper, we present the WCIP iterative procedure (wave concept iterative procedure) for solving continuity conditions in terms of waves rather than in term of tangential fields providing a mixed resolution in spatial and spectral domain taking the best advantage of each resolution domain and lower computation time. The spiral inductor with patterned ground shield is taken as an example of multi-layer structures; the results are in reasonably good agreement with the experimental data.

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